

Dear Sir or Madam,

I am writing to express my opposition to the proposed changes in the Broadband over Power Line (BPL) rules.

I am a 27 year old citizen and licensed amateur radio operator, call sign KC0LPV (KC ZERO LPV). I will soon be taking the tests to earn my general and then advanced licenses, which will grant me priveledges on the HF (or "Worldwide") bands.

Delivery of broadband internet access using 60hz power lines is technically flawed. The power lines are unshielded, and it has been demonstrated by ARRL testing that the HF interference will exceed any reasonable level. Any amateur radio operator who is within, at a minimum, several hundred feet of a power line, will find his or her radio equipment all but unusable. This will have a severe impact on international amateur radio communications.

The infrastructure exists to deliver broadband access over alternate supply lines. I am typing this to you over a DSL line, which runs over copper telephone wiring and does not cause any undue interference in my electronic or radio systems. Most houses are also wired for cable TV access, which uses a shielded coaxial cable capable of carrying HF and VHF signals with little leakage.

HF amateur radio communications are vital to the emergency preparedness of our country. Local networks can be established with VHF radios, and it is my understanding that BPL will not have as serious an effect at VHF and UHF frequencies. However, reliable medium and long range communications are difficult or impossible to establish over VHF. For these links, we need HF.

The implications are not isolated to amateur radio. Other licensed and unlicensed services, from the military to the Alaska Emergency Frequency, will be severely affected. It is for these reasons, and many others, that I voice my opposition to the BPL changes under consideration, and I ask the FCC to protect our valuable, public, national resource.

Jim Deane
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